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CHEMF-202.2 DIV (10025193)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Boryta, et al.
Serial No. : 09/707,427
Filed : November 7, 2000
For : RECOVERY OF LITHIUM COMPOUNDS FROM BRINES
Examiner : Not yet assigned
GAU : 1754

March 25, 2003

Commissioner of Patents
and Trademarks
Washington, D.C. 20231
Box Missing Parts

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PRELIMINARY AMENDMENT

Sir:

Please amend the above-identified patent application as follows:

IN THE CLAIMS

Add the following new claims:

- A
6. An apparatus for continuously purifying lithium carbonate comprising:
- a dissolver which is a baffled reactor to dissolve lithium carbonate that includes a mixer/disperser,
 - a carbon dioxide gas dispersion tube,
 - a wash water filtrate/mother liquor filtrate recycle line,
 - a cooler,
 - a stilling well to separate gas and undissolved lithium carbonate solids from the resultant lithium bicarbonate solution, and